

PATENT COOPERATION TREATY

**PCT**

**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P738PC00</b>	<b>FOR FURTHER ACTION</b>	
International application No. <b>PCT/EP2004/050355</b>	International filing date (day/month/year) <b>24/03/2004</b>	(Earliest) Priority Date (day/month/year) <b>25/03/2003</b>
Applicant <b>DANMARKS JORDBURGSFORSKNING</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report
  - a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
    - The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
    - b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.
  2.  Certain claims were found unsearchable (See Box II).
  3.  Unity of invention is lacking (see Box III).
  4. With regard to the title,
    - the text is approved as submitted by the applicant.
    - the text has been established by this Authority to read as follows:
  5. With regard to the abstract,
    - the text is approved as submitted by the applicant.
    - the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
  6. With regards to the drawings,
    - a. the figure of the drawings to be published with the abstract is Figure No. 4
      - as suggested by the applicant.
      - as selected by this Authority, because the applicant failed to suggest a figure.
      - as selected by this Authority, because this figure better characterizes the invention.
    - b.  none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/050355

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A23K1/14 A23K1/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A23K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, FSTA, BIOSIS, COMPENDEX, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>"Project applications for the research programme FOJO II (2000-2005) : Product quality of organic beef and pork in relation to grazing system and feeding with bio-active crops (PROSQUAL)" 'Online! 2000, - 2000 XP002291897                      Retrieved from the Internet:                      URL:<a href="http://www.okoforsk.dk/projekt/ii12/ans.pdf">http://www.okoforsk.dk/projekt/ii12/ans.pdf</a> 'retrieved on 2004-08-10!                      page 16, paragraph 2</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">-/--</p>	1-88

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

10 August 2004

25/08/2004

Name and mailing address of the ISA

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Authorized officer

Rooney, K

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/050355

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RIDEOUT T C ET AL: "Fecal excretion of major odor-causing and acidifying compounds in response to dietary supplementation of chicory inulin extract in pigs" JOURNAL OF DAIRY SCIENCE, AMERICAN DAIRY SCIENCE ASSOCIATION, CHAMPAIGN, ILLINOIS, US, vol. 85, no. Supplement 1, 2002, pages 14-15, XP002263875 ISSN: 0022-0302 abstract -----	1-29, 42-52, 60,61, 63,64, 66,69, 76-83
P,X	HOSKIN S O ET AL: "EFFECT OF WITHHOLDING ANTHELMINTIC TREATMENT ON AUTUMN GROWTH AND INTERNAL PARASITISM OF WEANER DEER GRAZING PERENNIAL RYEGRASS-BASED PASTURE OR CHICORY" PROCEEDINGS OF THE NEW ZEALAND SOCIETY OF ANIMAL PRODUCTION, WELLINGTON, NZ, vol. 63, 2003, pages 269-273, XP008025489 ISSN: 0370-2731 the whole document -----	53-59, 69, 76-81, 87,88
X	CHOI S H ET AL: "EFFECTS OF CHICORY FEEDING ON THE GROWTH AND CARCASS QUALITY OF KOREAN NATIVE GOATS" HANGUK CHUKSAN HAKHOE CHI - KOREAN JOURNAL OF ANIMAL SCIENCE, KOREAN SOCIETY OF ANIMAL SCIENCE, SUWON, KO, vol. 40, no. 3, 1998, pages 255-260, XP008025504 ISSN: 0367-5807 abstract -----	35-41, 69-84
X	HOPKINS D L ET AL: "CARCASS AND MEAT QUALITY OF SECOND-CROSS CRYPTORCHID LAMBS GRAZED ON CHICORY (CICHORIUM INTYBUS) OR LUCERNE (MEDICAGO SATIVA)" AUSTRALIAN JOURNAL OF EXPERIMENTAL AGRICULTURE, CSIRO, COLLINGWOOD, AU, vol. 35, no. 6, 1995, pages 693-697, XP008025511 ISSN: 0816-1089 page 693, column 2, paragraph 3 page 695, column 1, paragraph 2; table 3 page 696, column 1, paragraph 1 ----- -/-	35-41, 69-84

## INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KNARREBORG A ET AL: "Effect of non-starch polysaccharides on production of indolic compounds in entire male pigs" ANIMAL SCIENCE, DURRANT, GB, vol. 74, no. 3, 2002, pages 445-453, XP008025386 ISSN: 1357-7298 pages 445-446 -----	1-88
X	DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 21 September 2002 (2002-09-21), SCHREURS N M ET AL: "Effects of grazing undrenched weaner deer on chicory or perennial ryegrass/white clover pasture on the viability of gastrointestinal nematodes and lungworms." XP002291898 Database accession no. NLM12371691 abstract & THE VETERINARY RECORD. 21 SEP 2002, vol. 151, no. 12, 21 September 2002 (2002-09-21), pages 348-353, ISSN: 0042-4900 -----	53-59, 69, 76-81, 87,88
A	EP 1 180 367 A (MEIJI SEIKA KAISHA) 20 February 2002 (2002-02-20) the whole document -----	1-84
A	WO 99/22604 A (MARS UK LTD ; FONE JANEL (GB)) 14 May 1999 (1999-05-14) the whole document -----	1-88
A	DE 42 23 051 A (CLAUS ROLF PAUL PROF DR) 20 January 1994 (1994-01-20) the whole document -----	1-88

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/050355

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 1-59, 67 and 68 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/050355

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 1180367	A 20-02-2002	CA EP WO	2370590 A1 1180367 A1 0064453 A1	02-11-2000 20-02-2002 02-11-2000
WO 9922604	A 14-05-1999	AT AU AU CA DE EP WO JP NZ	268997 T 749756 B2 9753298 A 2308612 A1 69824618 D1 1026958 A1 9922604 A1 2001521725 T 504259 A	15-07-2004 04-07-2002 24-05-1999 14-05-1999 22-07-2004 16-08-2000 14-05-1999 13-11-2001 20-12-2002
DE 4223051	A 20-01-1994	DE	4223051 A1	20-01-1994